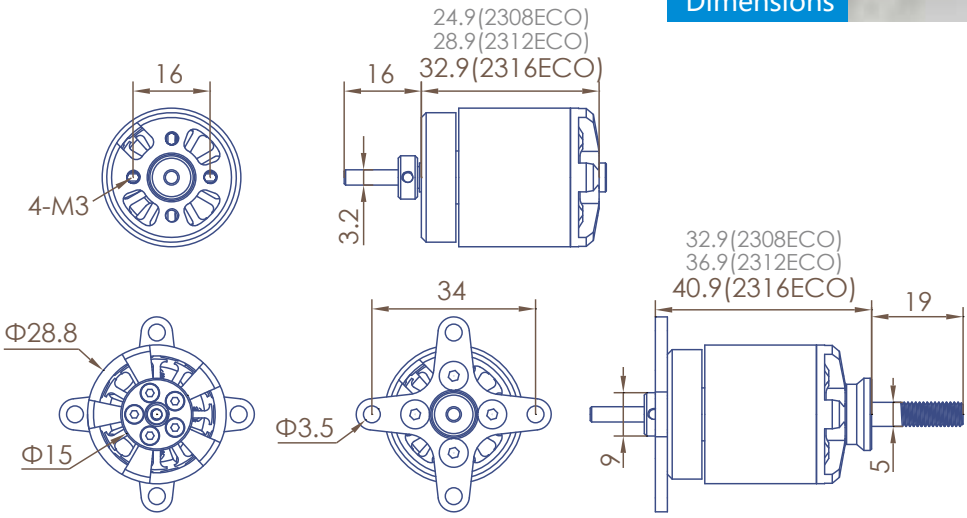
POWERED BY DUALSKY

ECO 2316C-V2

Dimensions



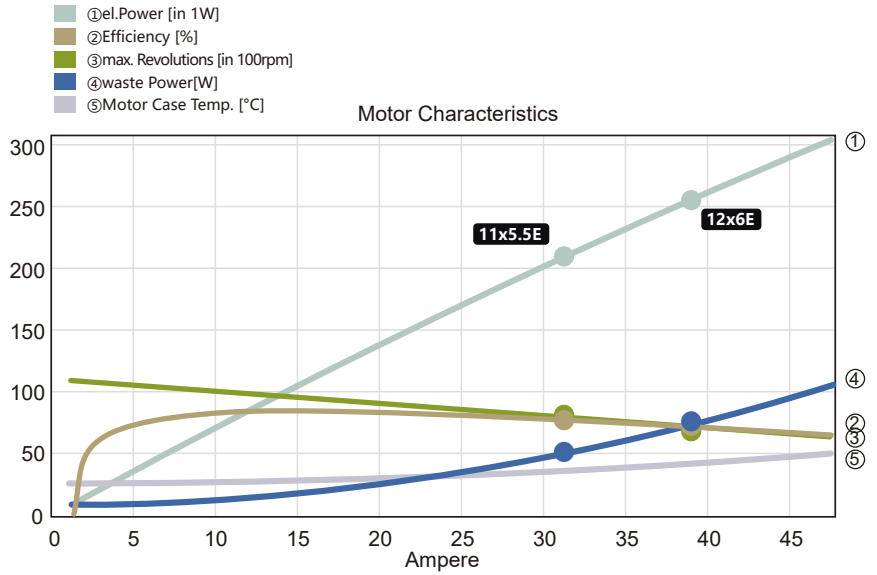
Specification

ECO-C Series	ECO 2316C			
SKU(商品编码)	51652	51653	51654	51655
KV(KV值)	1500	1250	980	880
Turns(匝数)	5.5	6.5	8.5	9.5
Weight(g)(重量)	72	72	72	72
Dimensions(D x L)[mm](尺寸)	28.8x32.9	28.8x32.9	28.8x32.9	28.8x32.9
Slots & Poles(槽数，极数)	12N14P	12N14P	12N14P	12N14P
Ri(mOhm)(电阻)	39.0	52.2	80.4	93.0
Io @10V (A)(空载电流)	1.4	1.0	0.7	0.6
No.of Cells(LiPo)(适用电池)	2..3	2..3	3..4	3..4
Max. EfficiencyCurrent[A](效率电流)	20	18	15	14
Max. Burst Current (15S)[A](最大电流)	33	30	25	23
Max. Power(15S)[W](最大功率)	264	360	300	368
Max. Torque [N*M](最大扭矩)	0.25	0.28	0.29	0.30
Shaft diameter(mm)(轴径)	3.175	3.175	3.175	3.175
Mountingholes pitch(安装孔距)	16/16	16/16	16/16	16/16
Input Connectors(输入链接)	GC3.5	GC3.5	GC3.5	GC3.5
RecommendedESC(调速器)	XC-45-LITE or XC3012BA	XC-45-LITE or XC3012BA	XC-45-LITE or XC3012BA	XC-45-LITE or XC3012BA
Propeller(螺旋桨)	2S:11x5.5E,12x6E 3S:7x5E, 8x6E	2S:12x6E,13x6.5E 3S:9x6E,10x7E	3S: 10x5E, 11x7E 4S: 8x6E, 9x6E	3S: 13x8E, 12x6E 4S: 11x4.5E, 10x5E
Class(适用机种)	450 Class, 600-1100g	For 600-1400g airplanes		

ECO 2316C (1500KV)

7.4V Motor @ Optimum Efficiency 最佳效率点

Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
12.72 A	7.15 V	9569 rpm	90.9 W	76.8 W	84.5 %

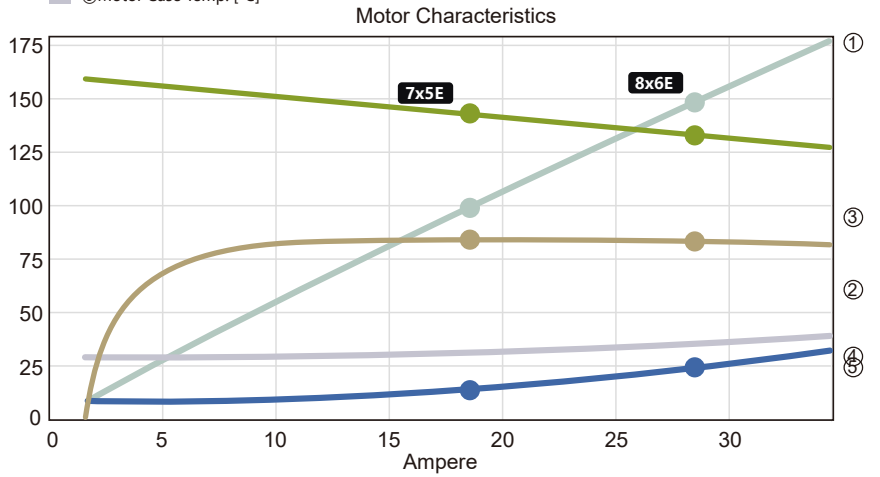


Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
7.4V (2S LIPO)	**11x5.5E**							
	3000	32	1.7	7.4	12.4	76.1	177	14.3
	3500	38	2.6	7.4	19.1	78.2	241	12.6
	4000	44	3.9	7.3	28.1	79.3	315	11.2
	4500	50	5.5	7.3	39.8	79.7	399	10
	5000	57	7.6	7.3	54.6	79.8	492	9
	5500	63	10.3	7.3	72.9	79.6	596	8.2
	6000	71	13.5	7.2	95.1	79.1	709	7.5
	6500	78	17.4	7.2	121.8	78.6	832	6.8
	7000	86	22.2	7.1	153.4	78	965	6.3
	7500	95	27.9	7	190.3	77.3	1108	5.8
	7778	100	31.7	7	214.7	76.6	1192	5.6
	12x6E							
	3000	33	2.6	7.4	19	76.6	251	13.2
	3500	40	4.2	7.3	29.9	77.2	342	11.4
	4000	47	6.3	7.3	44.7	77.1	446	10
	4500	54	9	7.3	64.1	76.6	565	8.8
	5000	62	12.6	7.2	88.8	75.8	697	7.9
	5500	70	17.2	7.2	119.7	74.8	844	7
	6000	79	23	7.1	157.6	73.8	1004	6.4
	6500	89	30.1	7	203.3	72.7	1179	5.8
	7000	99	38.9	6.9	257.8	71.7	1367	5.3
	7025	100	39.7	6.8	262.5	71.4	1377	5.2

11.1V Motor @ Optimum Efficiency 最佳效率点

Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
18.18 A	10.69 V	14371 rpm	194.4 W	165.8 W	85.3 %

①el.Power [in 2W]
②Efficiency [%]
③max. Revolutions [in 100rpm]
④waste Power[W]
⑤Motor Case Temp. [°C]

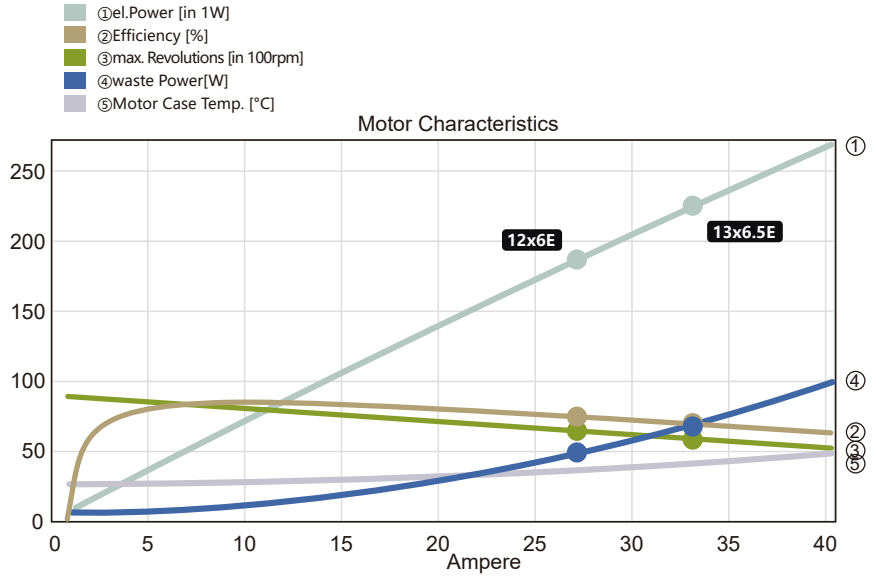


Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	**7x5E**							
	3300	21	0.3	11.1	3.8	48.7	50	13.1
	4400	28	0.7	11.1	7.2	61.7	89	12.4
	5500	36	1.1	11.1	12.3	70.1	140	11.3
	6600	43	1.8	11.1	19.8	75.6	201	10.2
	7700	50	2.7	11.1	30	79.2	274	9.1
	8800	58	4	11	43.4	81.6	357	8.2
	9900	66	5.5	11	60.6	83.2	452	7.5
	11000	74	7.5	11	82.1	84.3	558	6.8
	12100	82	10	10.9	108.3	85	676	6.2
	13200	90	13	10.9	139.9	85.4	804	5.7
	14300	99	16.5	10.8	177.3	85.7	944	5.3
	14466	100	17.2	10.8	184.4	85.2	966	5.2
	8x6E							
	3000	20	0.4	11.1	4.8	60.4	74	15.6
	4000	26	0.9	11.1	9.6	71.2	132	13.8
	5000	33	1.6	11.1	17.2	77.4	207	12
	6000	40	2.6	11.1	28.4	80.9	298	10.5
	7000	48	4	11	44	82.9	405	9.2
	8000	55	6	11	64.8	84	529	8.2
	9000	63	8.5	11	91.7	84.6	670	7.3
	10000	71	11.7	10.9	125.5	84.8	827	6.6
	11000	79	15.6	10.8	167.1	84.8	1000	6
	12000	88	20.5	10.8	217.4	84.6	1190	5.5
	13000	97	26.4	10.7	277.4	84.3	1397	5
	13324	100	28.9	10.6	301.8	83.7	1468	4.9

ECO 2316C (1250KV)

7.4V Motor @ Optimum Efficiency 最佳效率点

Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
9.56 A	7.24 V	8081 rpm	69.2 W	58.6 W	84.7 %

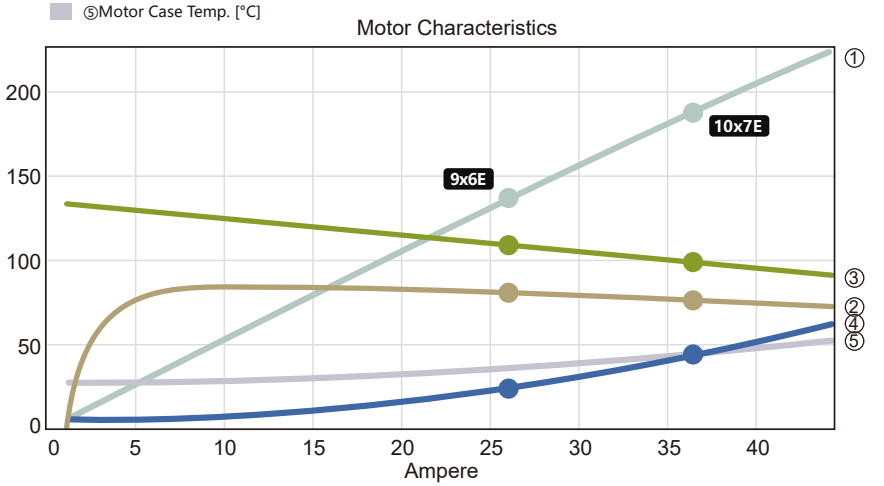


Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
7.4V (2S LIPO)	**12x6E**							
	2800	36	2.1	7.4	15.2	77.6	219	14.4
	3200	42	3.1	7.4	22.5	78.4	286	12.7
	3600	49	4.4	7.4	31.9	78.7	362	11.3
	4000	55	6.1	7.3	43.9	78.5	446	10.2
	4400	62	8.2	7.3	58.8	78.1	540	9.2
	4800	69	10.8	7.3	76.8	77.5	643	8.4
	5200	76	13.9	7.2	98.6	76.8	754	7.7
	5600	83	17.6	7.2	124.3	76.1	875	7
	6000	91	22.1	7.2	154.6	75.3	1004	6.5
	6400	100	27.3	7.1	189.7	74.4	1143	6
	6403	100	27.5	7.1	191	74.2	1144	6
	13x6.5E							
	2400	32	2	7.4	14.7	75.8	221	15.1
	2800	39	3.2	7.4	23.2	76.2	301	13
	3200	45	4.8	7.3	34.7	75.9	393	11.3
	3600	52	7	7.3	49.9	75.2	498	10
	4000	60	9.7	7.3	69.3	74.2	615	8.9
	4400	68	13.2	7.3	93.5	73.2	744	8
	4800	76	17.6	7.2	123.3	72.1	885	7.2
	5200	85	22.9	7.1	159.4	70.9	1039	6.5
	5600	94	29.4	7.1	202.5	69.7	1205	6
	5821	100	33.8	7	230.7	68.9	1302	5.6

11.1V Motor @ Optimum Efficiency 最佳效率点

Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
13.48 A	10.84 V	12157 rpm	146 W	125 W	85.6 %

①el.Power [in 2W]
②Efficiency [%]
③max. Revolutions [in 100rpm]
④waste Power[W]
⑤Motor Case Temp. [°C]

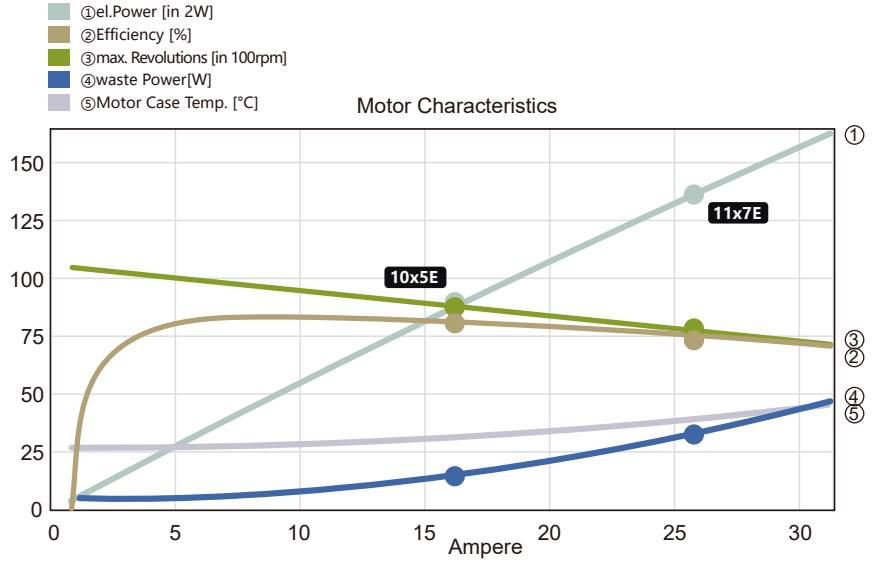


Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	**9x6E**							
	2400	19	0.3	11.1	3.8	62.4	68	18
	3200	25	0.7	11.1	7.7	72.7	121	15.7
	4000	32	1.3	11.1	13.9	78.3	188	13.5
	4800	39	2.1	11.1	23.2	81.3	271	11.7
	5600	46	3.3	11	36.1	83	369	10.2
	6400	53	4.9	11	53.3	83.8	482	9
	7200	61	6.9	11	75.6	84.1	610	8.1
	8000	68	9.5	10.9	103.7	84.1	753	7.3
	8800	76	12.8	10.9	138.4	83.9	911	6.6
	9600	85	16.8	10.8	180.5	83.5	1085	6
	10400	93	21.6	10.7	230.7	83.1	1273	5.5
	10963	100	25.8	10.7	273.8	82.3	1414	5.2
	10x7E							
	2800	23	0.8	11.1	8.8	75.4	148	16.7
	3500	29	1.5	11.1	16.4	79.3	231	14.1
	4200	35	2.5	11.1	27.7	81.1	332	12
	4900	42	4	11	43.6	81.7	452	10.4
	5600	49	6	11	65.1	81.7	591	9.1
	6300	56	8.6	11	93.2	81.3	748	8
	7000	64	11.9	10.9	128.8	80.7	923	7.2
	7700	72	16.1	10.8	173.1	79.9	1117	6.5
	8400	80	21.3	10.7	227.1	79.1	1329	5.9
	9100	89	27.7	10.6	292	78.2	1560	5.3
	9800	99	35.5	10.5	369	77.3	1809	4.9
	9890	100	36.9	10.5	383.4	76.8	1842	4.8

ECO 2316C (980KV)

11.1V Motor @ Optimum Efficiency 最佳效率点

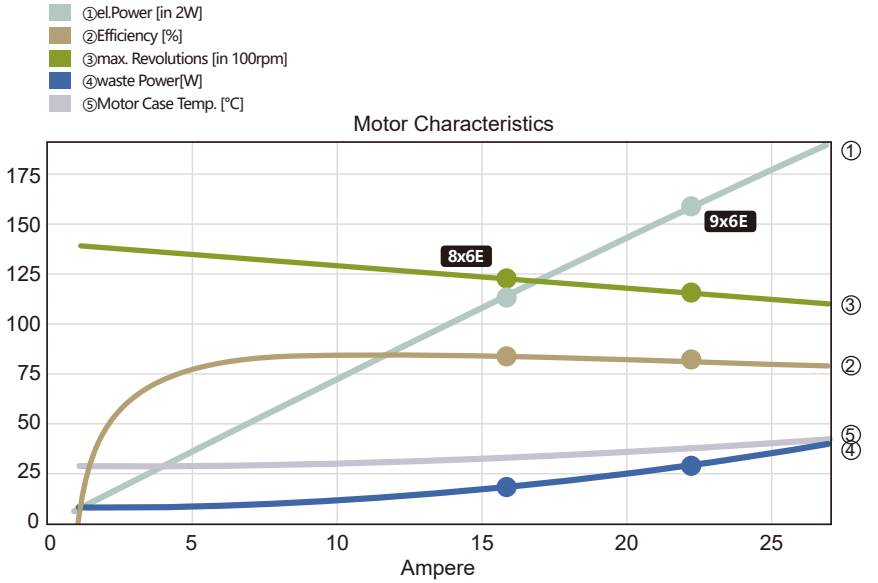
Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
9.14 A	10.92 V	9578 rpm	99.8 W	84.9 W	85.1 %



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	**10x5E**							
	3000	30	0.7	11.1	7.9	74.1	121	15.3
	3600	37	1.2	11.1	12.9	78.3	174	13.5
	4200	43	1.8	11.1	19.8	80.8	237	12
	4800	50	2.6	11.1	29.1	82.3	310	10.7
	5400	57	3.7	11	41	83.2	392	9.6
	6000	64	5.1	11	56	83.5	484	8.7
	6600	71	6.8	11	74.4	83.6	586	7.9
	7200	79	8.9	11	96.7	83.5	697	7.2
	7800	87	11.3	10.9	123.3	83.3	819	6.6
	8400	95	14.3	10.9	154.6	83	949	6.1
	8784	100	16.6	10.8	178.7	82.3	1038	5.8
	11x7E							
	3000	32	1.4	11.1	15.2	78.8	226	14.8
	3500	38	2.2	11.1	23.8	80	307	12.9
	4000	44	3.2	11	35.3	80.4	401	11.4
	4500	51	4.6	11	50.4	80.3	508	10.1
	5000	57	6.3	11	69.4	79.9	627	9
	5500	64	8.5	11	93.1	79.3	758	8.1
	6000	72	11.2	10.9	121.9	78.6	902	7.4
	6500	79	14.5	10.9	156.6	77.8	1059	6.8
	7000	87	18.4	10.8	197.6	77	1228	6.2
	7500	95	23.1	10.7	245.8	76.1	1410	5.7
	7766	100	26.1	10.7	276.8	75.3	1512	5.5

14.8V Motor @ Optimum Efficiency 最佳效率点

Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
12.07 A	14.5 V	12719 rpm	175 W	149.3 W	85.3 %

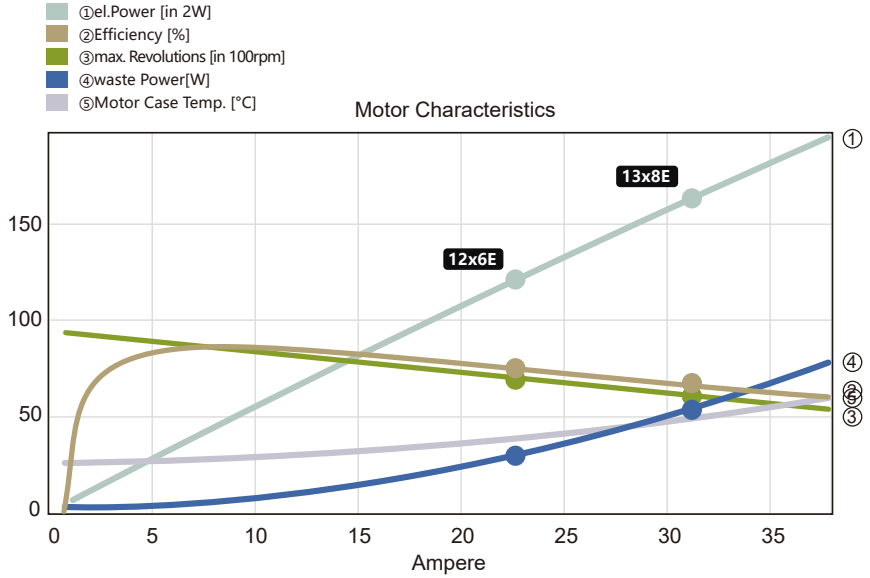


Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
14.8V (4S LIPO)	**8x6E**							
	4500	34	0.9	14.8	12.7	76.2	167	13.2
	5400	41	1.4	14.8	20.9	80.2	241	11.5
	6300	48	2.2	14.8	32.2	82.7	328	10.2
	7200	55	3.2	14.7	47.2	84.1	429	9.1
	8100	63	4.5	14.7	66.6	84.9	542	8.1
	9000	70	6.2	14.7	90.8	85.4	670	7.4
	9900	78	8.3	14.6	120.7	85.6	810	6.7
	10800	86	10.8	14.6	156.7	85.5	964	6.2
	11700	95	13.8	14.5	199.5	85.4	1132	5.7
	12266	100	16.1	14.4	232.2	84.7	1244	5.4
	9x6E							
	4000	30	0.9	14.8	13.9	78.5	188	13.5
	4800	37	1.6	14.8	23.1	81.6	271	11.7
	5600	44	2.4	14.7	36	83.2	369	10.3
	6400	50	3.6	14.7	53.1	84.1	482	9.1
	7200	57	5.1	14.7	75.3	84.4	610	8.1
	8000	65	7.1	14.6	103.3	84.4	753	7.3
	8800	72	9.5	14.6	137.9	84.2	911	6.6
	9600	80	12.4	14.5	179.7	83.9	1085	6
	10400	88	16	14.4	229.6	83.5	1273	5.5
	11200	96	20.2	14.4	288.5	83	1476	5.1
	11550	100	22.5	14.3	320.7	82.2	1570	4.9

ECO 2316C (880KV)

11.1V Motor @ Optimum Efficiency 最佳效率点

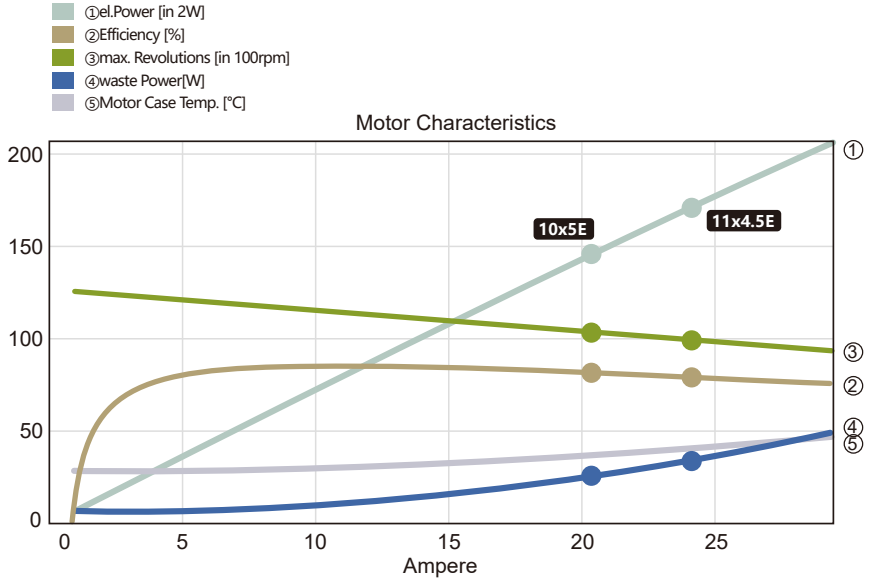
Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
7.88 A	10.95 V	8624 rpm	86.2 W	73.5 W	85.2 %



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	**12x6E**							
	3000	36	1.7	11.1	18.3	79.4	251	13.7
	3500	43	2.6	11.1	28.9	80	342	11.8
	4000	50	3.9	11	43.1	80	446	10.4
	4500	58	5.6	11	61.6	79.6	565	9.2
	5000	65	7.8	11	85.3	79	697	8.2
	5500	73	10.6	10.9	114.7	78.1	844	7.4
	6000	82	13.9	10.9	150.6	77.3	1004	6.7
	6500	91	18.1	10.8	193.8	76.3	1179	6.1
	6985	100	23	10.7	245.3	75.1	1361	5.5
	13x8E							
	2400	31	1.6	11.1	17.9	76.4	272	15.2
	2800	37	2.6	11.1	28.5	76.3	371	13
	3200	43	3.9	11	42.9	75.6	484	11.3
	3600	50	5.7	11	61.8	74.6	613	9.9
	4000	57	7.9	11	86.2	73.5	757	8.8
	4400	64	10.8	10.9	116.7	72.2	916	7.8
	4800	72	14.3	10.9	154.2	70.9	1090	7.1
	5200	80	18.7	10.8	199.7	69.6	1279	6.4
	5600	89	24	10.7	254.2	68.3	1483	5.8
	6000	98	30.3	10.6	318.5	67.1	1703	5.3
	6059	100	31.6	10.6	331.3	66.6	1736	5.2

14.8V Motor @ Optimum Efficiency 最佳效率点

Current	Voltage	Revolutions*	electric Power	mech. Power	Efficiency
10.3 A	14.54 V	11471 rpm	149.8 W	128.1 W	85.5 %



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
14.8V (4S LIPO)	**10x5E**							
	3500	30	0.8	14.8	11.9	78	165	13.9
	4200	36	1.3	14.8	19.7	81.2	237	12
	4900	43	2.1	14.8	30.7	82.9	323	10.5
	5600	49	3.1	14.7	45.4	83.8	422	9.3
	6300	56	4.4	14.7	64.3	84.1	534	8.3
	7000	63	6	14.7	88.2	84.2	659	7.5
	7700	70	8.1	14.6	117.7	84	798	6.8
	8400	78	10.6	14.6	153.4	83.6	949	6.2
	9100	86	13.6	14.5	196.1	83.2	1114	5.7
	9800	94	17.2	14.4	246.4	82.7	1292	5.2
	10325	100	20.5	14.3	292.4	81.8	1434	4.9
	11x4.5E							
	3500	30	1	14.8	15.3	79.9	197	12.9
	4200	37	1.8	14.8	25.8	82	284	11
	4900	44	2.8	14.7	40.5	82.9	387	9.6
	5600	51	4.1	14.7	60.2	83.1	505	8.4
	6300	58	5.9	14.7	85.9	83	640	7.4
	7000	65	8.1	14.6	118.5	82.6	790	6.7
	7700	73	11	14.6	158.8	82	956	6
	8400	81	14.4	14.5	207.8	81.3	1137	5.5
	9100	90	18.6	14.4	266.7	80.6	1335	5
	9800	99	23.7	14.3	336.3	79.8	1548	4.6
	9871	100	24.5	14.3	347.5	79.3	1570	4.5

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